

MECHANICAL ENGINEERING

The Department of Mechanical Engineering (ME) within the University of Wisconsin–Madison College of Engineering is the home of two undergraduate degree programs (mechanical engineering and engineering mechanics, including an option in aerospace engineering) and two graduate degree programs (mechanical engineering and engineering mechanics). The department's faculty conducts research in the areas of advanced manufacturing, biomechanics, computation & data-driven engineering, energy systems, solid & fluid mechanics, and robotics, controls, & sensing. This combination of topics fosters synergies with respect to polymers, mechatronics, aerospace, thermal, materials, additive manufacturing, and fluids. The mechanical engineering undergraduate program has been ranked in the top twelve, and the mechanical engineering graduate program has been ranked in the top seven, among public universities, according to U.S. News and World Report 2022 rankings.

DEGREES/MAJORS/CERTIFICATES

- Engineering Mechanics, B.S. (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/engineering-mechanics-bs/>)
- Engineering Thermal Energy Systems, Certificate (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/engineering-thermal-energy-systems-certificate/>)
- Manufacturing Engineering, Certificate (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/manufacturing-engineering-certificate/>)
- Mechanical Engineering, B.S. (<http://guide.wisc.edu/undergraduate/engineering/mechanical-engineering/mechanical-engineering-bs/>)

PEOPLE

PROFESSORS

Darryl Thelen (Chair)
 Riccardo Bonazza
 Curt Bronkhorst
 Wendy Crone
 Christian Franck
 Jaal Ghandhi
 Sage Kokjohn
 Roderic Lakes
 Dan Negrut
 Gregory F. Nellis
 Tim Osswald
 Frank Pfefferkorn
 Xiaoping Qian
 Douglas Reindl
 David Rothamer
 Scott T. Sanders
 Krishnan Suresh
 Mario F. Trujillo
 Lih-sheng Turng
 Fabian Waleffe

ASSOCIATE PROFESSORS

Peter Adamczyk
 Mark Anderson
 Lianyi Chen
 Melih Eriten
 Katherine Fu
 Tom N. Krupenkin
 Franklin Miller
 Sangkee Min
 Jacob Notbohm
 Wenxiao Pan
 James Pikul
 Pavana Prabhakar
 Alejandro Roldan-Alzate
 Michael Zinn

ASSISTANT PROFESSORS

Joseph Andrews
 Jennifer Franck
 Corinne Henak
 Eric Kazyak
 Allison Mahvi
 Luca Mastropasque
 Josh Roth
 Shiva Rudraraju
 Stephan Rudykh
 Ramathanan Thevamaran
 Dakota Thompson
 Mike Wagner
 Michael Wehner
 Jinlong Wu
 Xiaobin Xiong
 Xiangru Xu

LECTURERS, TEACHING FACULTY, AND TEACHING PROFESSORS

Argantheal Berson
 Glenn Bower
 Michael Cheadle
 Michael De Cicco
 Jennifer Detlor
 Randy Jackson
 Andrew Mikkelson
 Jason Oakley
 Erick L. Oberstar
 Jeffrey Roessler

See also Mechanical Engineering Faculty Directory (<https://directory.engr.wisc.edu/me/faculty/>).

RESOURCES AND SCHOLARSHIPS

FACILITIES

Facilities available for instruction and research include:

Automatic Controls Lab
 Automotive Lab
 Computer-Aided Engineering (CAE) Labs
 Energy Systems Lab
 Engineering Design Research Lab

Experimental Mechanics Lab
Instrumentation Lab
Maker Space
Manufacturing Automation Lab
Mechanical Testing Lab
Mechatronics Lab
Polymer Engineering Center
Robotics and Autonomous Systems Lab
Senior Design Studio
Senior Design Hub
Solar Energy Lab
TEAM Lab